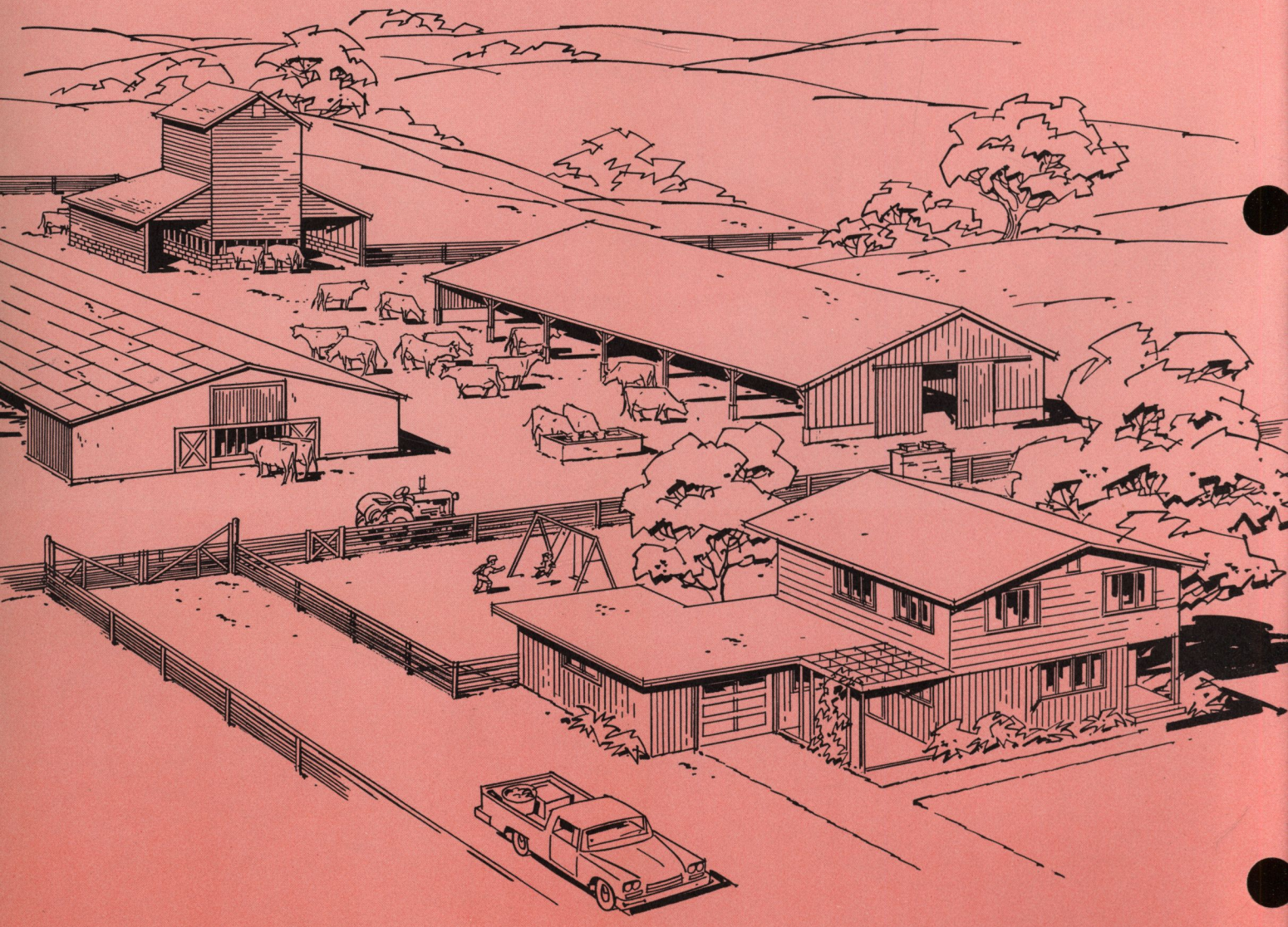
Poultry Houses

AND EQUIPMENT

ENGINEERED BY

Weyerhaeuser

Poultry



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Weyerhaeuser 4-Square Farm Designs are especially developed (1) to meet today's farming needs; (2) for proper and profitable housing of livestock; (3) to provide structural stability and exceptional durability; and (4) to take maximum advantage of the fact that lumber produced in Weyerhaeuser sawmills is manufactured in uniform lengths and sizes, with ends and edges already squared, which eliminates needless sawing, fitting, and material waste. In planning any new farm building, you'll find a Weyerhaeuser 4-Square Farm Design gives you unmatched advantages in design, durability, adaptability, economy and simplicity of construction—as well as in appearance.

Houses and Equipment

THESE TAILOR-MADE DESIGNS MEET THE NEEDS OF TODAY—AND TOMORROW!

This book contains designs for both laying and brooder houses, as well as a variety of equipment items. It is important in both types of houses to accurately plan the scope of your poultry program so that you can provide sufficient space to avoid the various problems that result when your birds are overcrowded. One sq. ft. of floor space is the minimum recommendation for each two baby chicks. Depending on breed and size of pen, 2¾ to 4½ sq. ft. is the space requirement for hens.

The modern design of these houses simplifies disease control, sanitation, care, and feeding by providing good working space. Each plan is engineered for tight construction to prevent drafts (insulation is recommended for permanent houses, as it protects against sudden winter temperature changes and adds to summer coolness).

Brooder House designs are of two types: portable houses that are mounted on skids (and given extra bracing) for easy movement to clean range, and stationary houses, which should be built on a good, permanent foundation for easy cleaning and disinfecting. All designs have been carefully developed to keep construction simple and inexpensive, yet in no way to sacrifice any of the attractiveness, durability, and easy maintenance that are prime advantages of wood farm buildings.

Plans, specifications, and material lists for these and many other farm buildings available at your lumber dealer . . .

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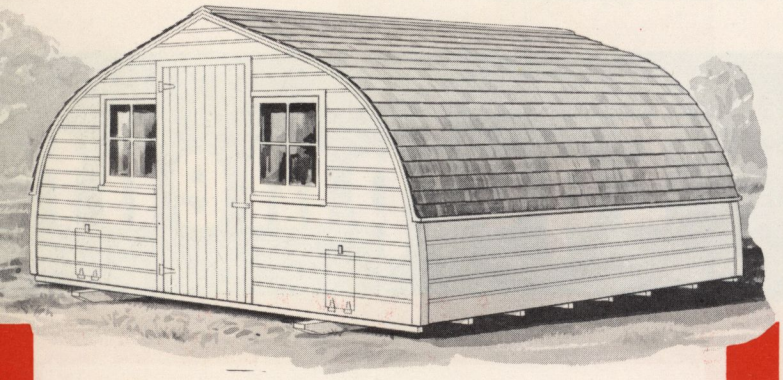
SEE YOUR

Weyerhaeuser 4-SQUARE LUMBER DEALER

For Plans and Material Lists

Your local Weyerhaeuser 4-Square Lumber Dealer will be glad to go over blueprints and material lists with you, answer any questions you may have, and help you plan a building program that will fit in with your farm operation.

BROODER HOUSES

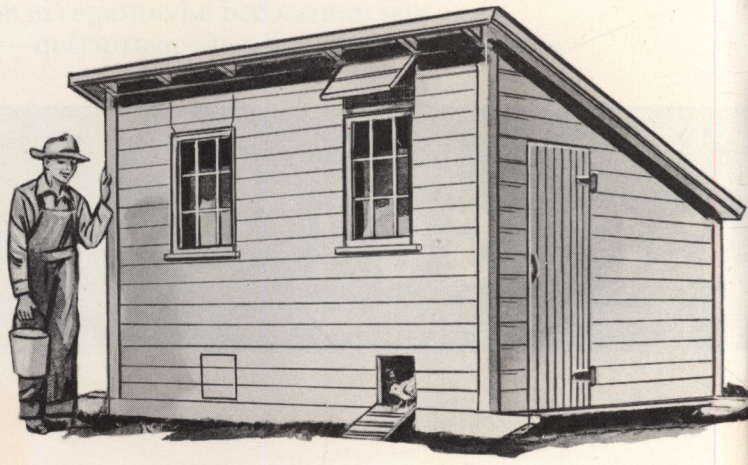


NO. 1402-B-1

Arched Roof Portable Brooder House

Size: 12′ x 14′

Factory built glued laminated wood rafter arches give extra rigidity and durability to this portable structure. It is quickly and easily erected and the construction is weather-tight. The barrel roof is made from continuous single arches running from floor to floor with the peak built up for WRC shingles. The flooring is 1″ x 4″ lumber. This is an excellent house for poultry raisers who require a strong, mobile shelter. Plans provide for variations in length and window arrangement.

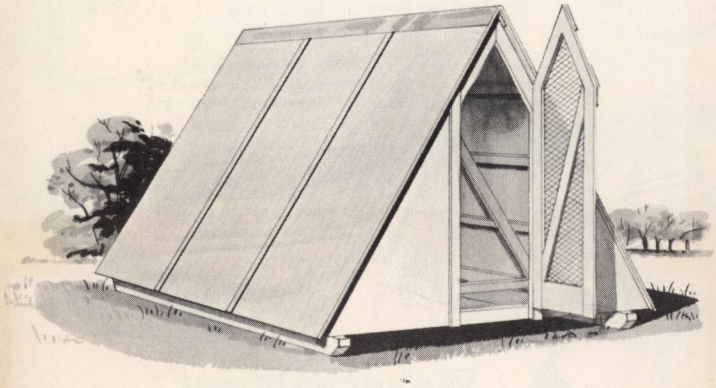


NO. 1403-A

Shed Roof Portable Brooder House

Sizes: 10′ x 12′, 10′ x 14′, 10′ x 16′ or 10′x 18′

This weather tight, low-cost portable brooder meets a wide range of brooding needs. The studs are fastened securely to the rafters, joists and skids to form a continuous framing unit. Hinged adjustable vents under the roof, at front and rear of house, plus tip-in windows provide draft free ventilation. Windows are placed so they do not create cold areas at floor. Heat loss is minimized by limited glass area. Chick doors, hinged to serve as ramps, are placed under each window and replaceable skid shoes are indicated.



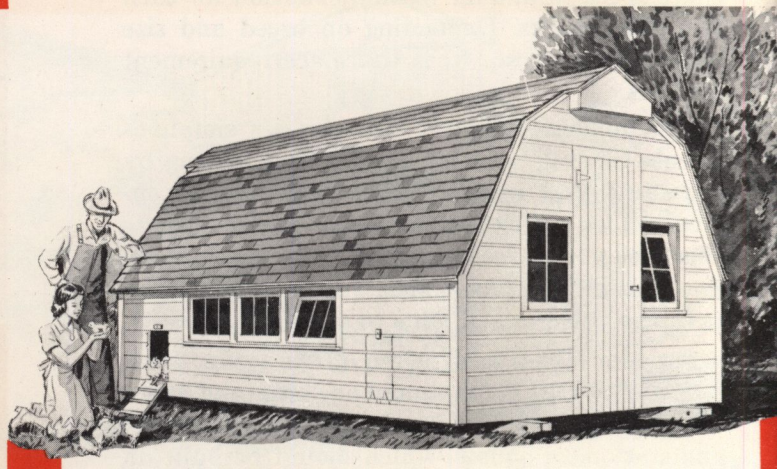
NO. 1410

A-Frame Range Shelter

Size: 9′ x 12′

This low-cost range shelter is very easy to build. Plans are clear, with all cuts detailed. Frame is rigidly braced to withstand stress of moving periodically to clean range. Framing is covered with easy to apply exterior grade plywood.

Because of its ease of construction, this range shelter makes an excellent 4-H or FFA project.



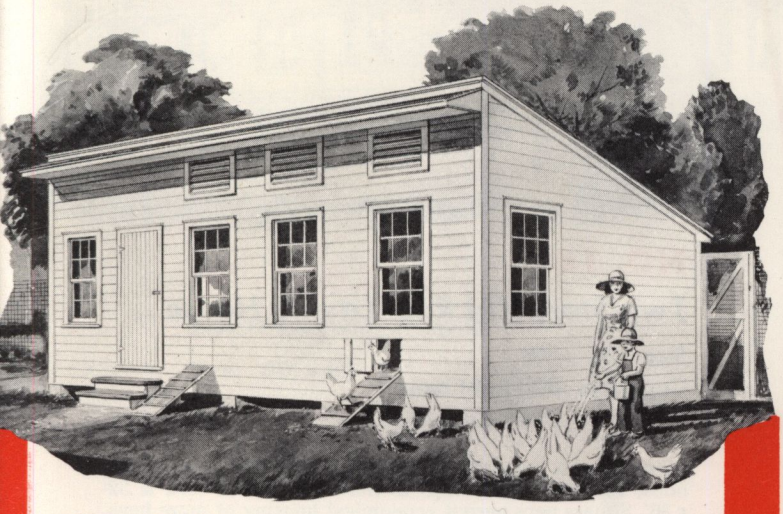
NO. 1409-A

Gambrel Roof Brooder House

Size: 10′ x 16′
Height: 9′
Can be built in 14′, 16′ and 18′ lengths

Farmers who like the appearance of the gambrel roof will prefer this brooder house. It can be built in different lengths. Its 9′ height gives plenty of head room. There are tip-in windows on 3 sides with draft shields. Chick doors are conveniently placed. Screened and shielded openings at each gable end provide ventilation. Because frame is built of short lengths of lumber, this house is easy and economical to build.

LAYING HOUSES

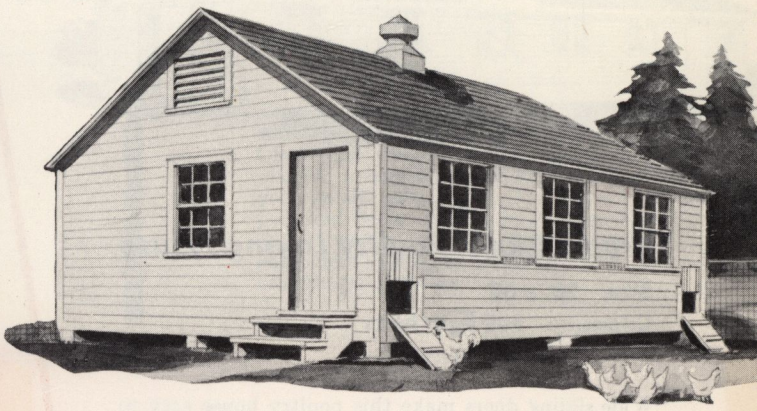


NO. 1450

Shed Roof Laying House

16′ x 30′ with 10′ Feed Room
Capacity: 80 to 100 birds

This building features sturdy, weather-tight construction, sanitation and convenience and can be extended in 20 ft. units with the feed room between two 16′ x 20′ laying rooms. The poultry room is 16′ x 20′ and is well lighted with two poultry doors specified. Feed room is 16′ x 10′ with outside door and large window. The house is provided with an effective system of ventilation. . .is easy to clean and the floor is tight.

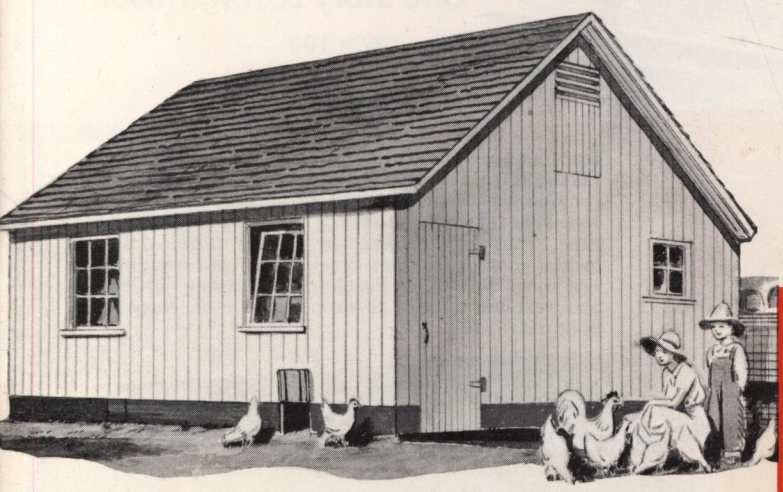


NO. 1451

Gable Roof Laying House

Size: 20′ x 20′
Capacity: 100 to 135 birds

Here is a practical, economical laying house for the average farm flock. Built on concrete piers, it adapts easily to uneven ground. The straw loft and insulated sidewalls make this a warm house. The screen louvers in gable ends, ridge ventilator, adjustable hinged baffle board at the ceiling line and double-hung windows offer better control of temperature and air movement in summer and winter. Additional 20′ x 20′ units can be added when required. Plans for a 10 foot storage and feed room are also shown.

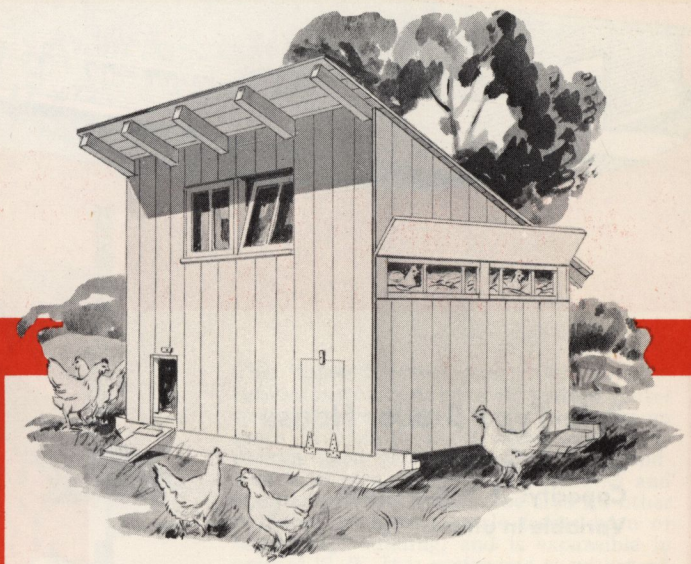


NO. 1454

U.M.U. Pole-Type Laying House

Size: 20′ x 20′
Capacity: 100 to 135 birds

Pole construction of foundation and framing provides shelter at the lowest dollar cost for labor and materials in this well-ventilated Utility Multi-Use House. Poles are set in the ground. No leveling or excavating is required. Popular 20′ x 20′ size is easy to work in and provides for efficient placement of roosts and nests. Extensible in 20-foot units, this building may be used also for other purposes.

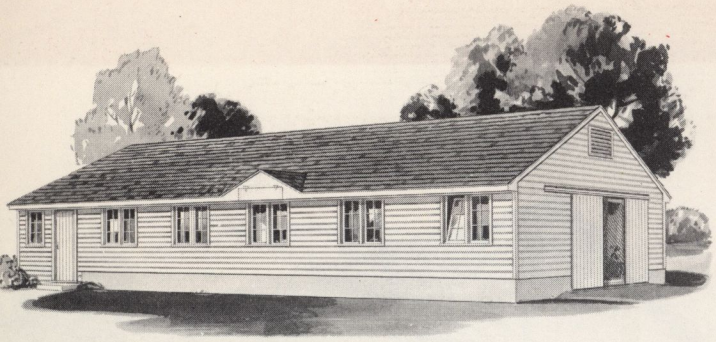


NO. 1457

House for Small Flocks

Size: 6′ x 8′

Here is ample, well-lighted space to house a small family-size flock. Capacity: 12 to 16 hens. This building is a time-saver. Eggs can be removed without entering house. Structure is well-braced and skid-mounted for easy moving. Building this house and caring for the flock can be a good project for the boy on the farm.

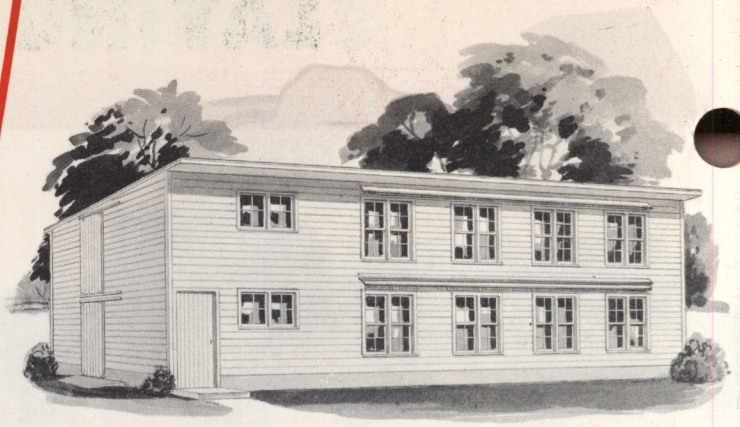


NO. 1452

Trussed Roof Poultry Laying House

Size: 28′ x 60′
Capacity: 500 light hens
400 heavy hens

Wide sliding doors make this poultry house easy to clean and maintain. Nest arrangement permits egg removal without entering pen. Moisture-proof floor is concrete slab laid over a vapor barrier. Structure includes feed room and basement egg room—an ideal place for cooling and candling eggs. Economical trussed rafter construction gives 1,320 square feet of post-free pen area and permits easy and unrestricted plan arrangement. This is a practical basic building that can be adapted to other uses.

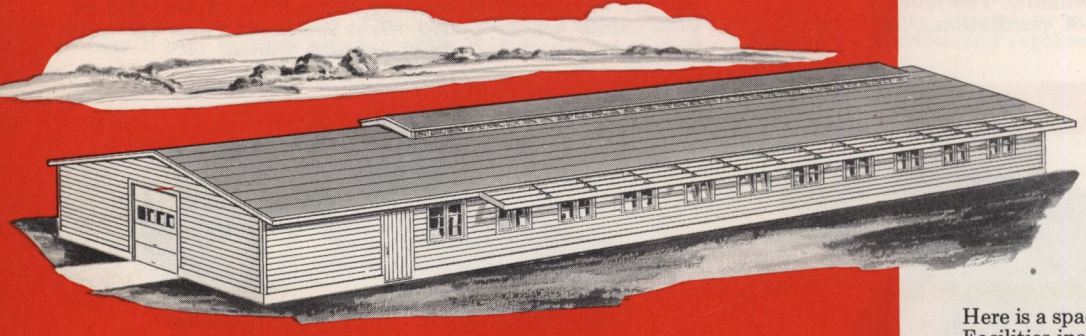


NO. 1471

Two Story Flat Roof Laying House

Size: 32′ x 48′
Capacity: 800 light hens
650 heavy hens

Farmers with large flocks find the multiple-story laying house the most economical to build. Each pen area is 32′ x 36′. Square pens permit economical housing of more hens. Large, open area permits a variety of roost and equipment arrangements. Nests are centrally located and constructed so eggs are removed from back. Removable dropping pits assure easy cleaning. Feed rooms with large service doors are located on each floor. Litter chute from the second floor. Ventilating system permits re-circulation of air. Building is expansible in units of 8′.



NO. 1458

One Story Laying House

Size: 36′ x 108′
Capacity: 1000 hens
Variable in 12′ lengths

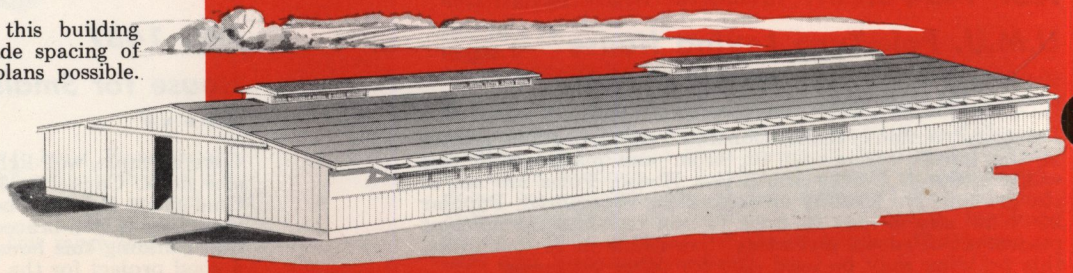
Here is a spacious structure for a large laying flock. Facilities include automatic feeding, watering, and provide for easy removal of litter with mechanical equipment. Carrier and track shorten egg-gathering time. Sturdily constructed. Walls and ceiling insulated with Balsam-Wool. Feed and insulated egg room provided. Protective overhang on east and west walls helps to keep house cool. Easy-to-build ridge vent.

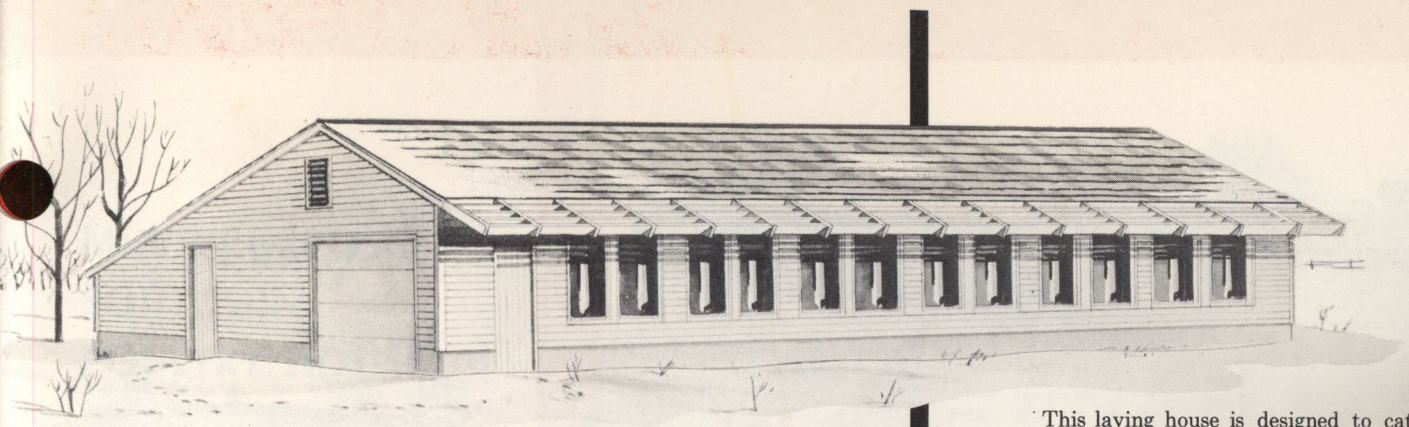
NO. 1453

Pole-Type Broiler House

Size: 38′ x 128′
Capacity: 6,500 broilers
Variable in units of 16′

Pole-type construction used in this building provides rigidity at low cost. Wide spacing of poles makes a variety of floor plans possible. Sidewalls are provided with hinged panels for their entire length to provide ventilation and also act as shade devices. Wood siding and roof sheathing serve to insulate and give an attractive appearance to this modern building.





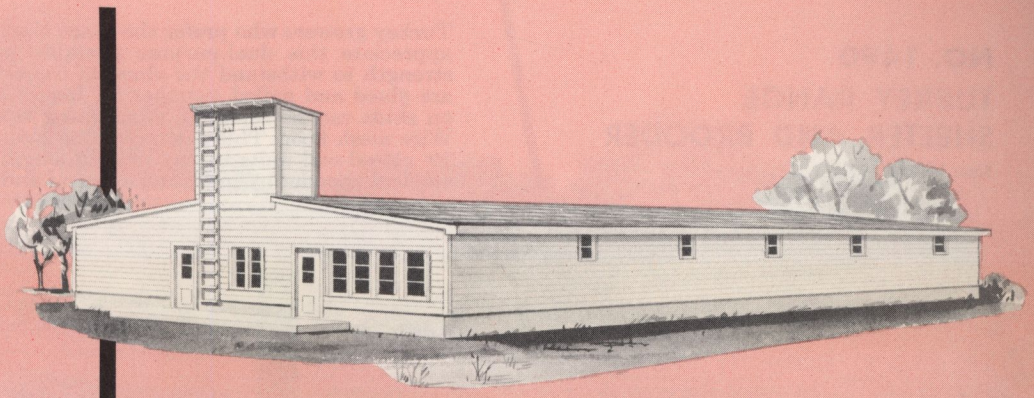
NO. 1462

Solar Laying House

Size: 30′ x 60′

This laying house is designed to catch the sun's heat and thus hold down heating costs. Clear-span interior permits setting up an interior arrangement most convenient for you (an alternate roof design is available for post and beam construction). The building adapts readily to installation of mechanical equipment. Completely insulated to assure uniform temperature.

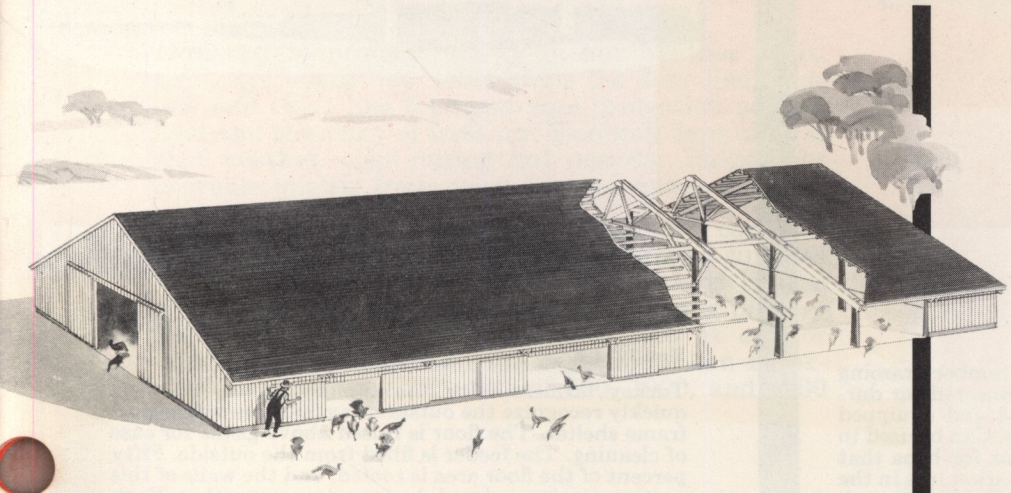
The raised floor in this house is easily removed for quick, easy cleaning. After floor sections are removed, big double doors at one end of building permit cleaning with tractor. The combination of good insulation plus built-in ventilation reduces operating costs. Other labor-saving features: built-in feed storage, feed bin filled from outside, refrigerated egg room, automatic feeding and watering, office space.



NO. 1463

Floor System Laying House

Size: 42′ x 72′



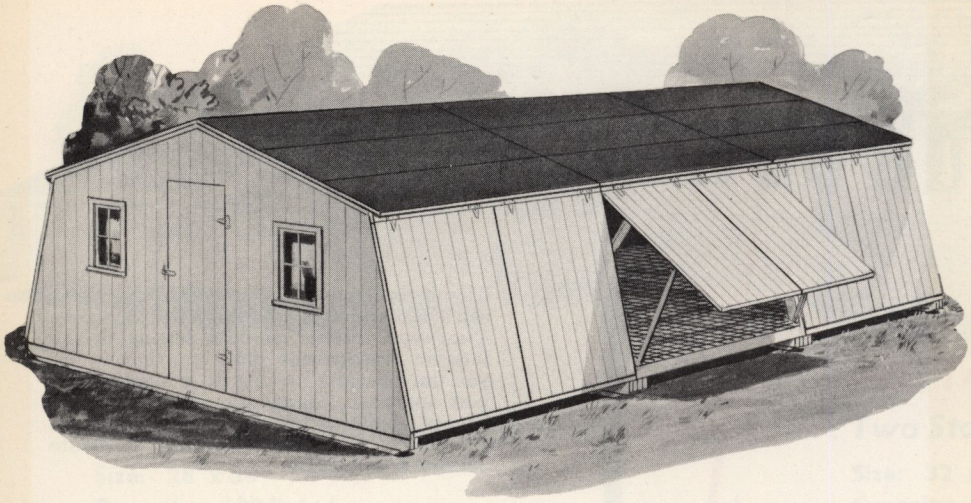
NO. 1492

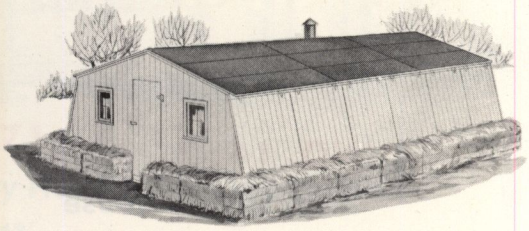
Turkey Broiler House

Size: 74′ x 117′

This *tapered timber design (for easy, accurate construction) has a 40′ trussed center span and wide spacing of posts for maximum space utilization. Eight large side doors provide good ventilation. Two large end-wall doors give access for easy cleaning and maintenance. Building can be used for other purposes, such as a cattle feeder barn or hay storage building, and is expansible in units of 13′-0″. It is engineered to withstand severe storms and to be a durable, useful, economical addition to your farm.

*Where tapered timbers are not available, standard timbers or poles may be substituted.

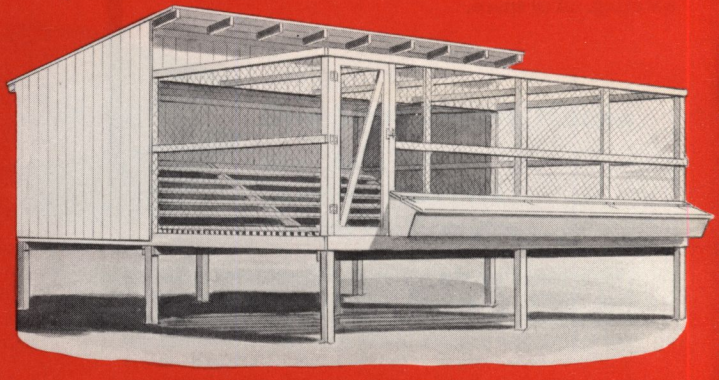




NO. 1490
TURKEY RANGE SHELTER AND BROODER

Size: 10′ x 18′

Turkey growers who prefer the range shelter system of raising birds will appreciate this dual-purpose portable building. It is engineered for strength to withstand the abuse of frequent moving. Studs and rafters are glued and nailed together for longer life . . . greater rigidity. Shoes on skids can be replaced, eliminating the need to replace entire skid. Wire mesh floor. This shelter can be built with 10′ open-end units and 10′ closed-end units to any desired length. It is easily converted to an efficient brooder by installing a heater and banking up sides.



RANGE HOUSE NO. 1459

Size: 24′ x 24′

Planned for maximum economy in lumber framing with light members, this house is engineered for durability and long life. It is well-braced and equipped with pressure-treated skids for moving. Can be used to house pullets on range in early fall, or for hens that are still laying but are scheduled for market late in the fall. Wire mesh floor. Two large poultry doors at each end. A variety of roost and nest arrangements are made possible by this design.

POST FRAME TURKEY SHELTER NO. 1491

Size: 20′ x 20′

Turkey farmers using the confinement system will quickly recognize the outstanding features of this post frame shelter. The floor is raised above grade for ease of cleaning. The feeder is filled from the outside. Fifty percent of the floor area is roofed, and the walls of this portion can be enclosed during adverse weather. Each pen unit is composed of about 400 square feet of floor area. Length may be increased in multiples of ten feet.

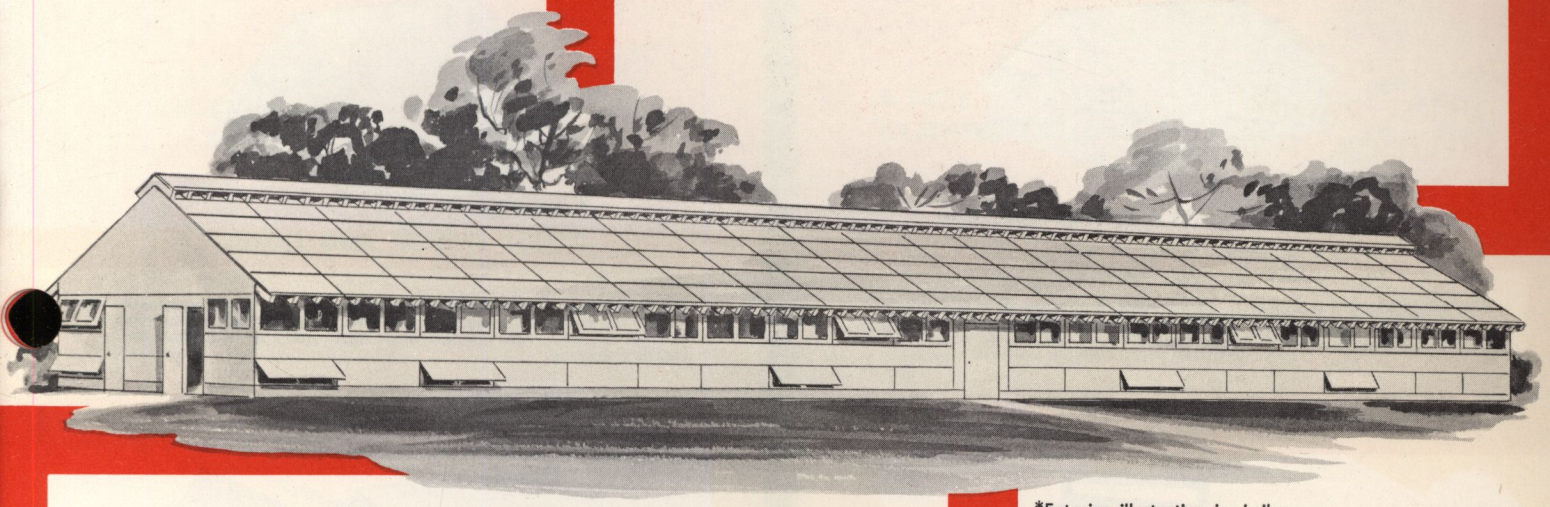
MULTI-PURPOSE SOUTHERN POULTRY HOUSE

NO. 1460

Size: 32′ x 152′

Ideal for large or small growers, this house adapts for cage layers, floor layers or broiler production. Houses 1250 floor layers with 4 square feet per bird or 5000 broilers. Expandable design provides for 1344 single-deck 10″ cages; 2688 double-deck 10″ cages; 3400 double-deck 8″ cages.

The wide aisles permit use of motorized feed and egg carts and simplifies cleaning of top cage row of double-decks. Maximum ventilation is provided through sidewalls and ridge. Sidewall flaps permit closing house during cold or stormy weather. Fogging or other cooling equipment can be easily installed and either a continuous trough or cup system can be used for watering.



*Exterior illustration is similar for both buildings. Interior plan arrangement differs as per description.

SOUTHERN CAGE HOUSE

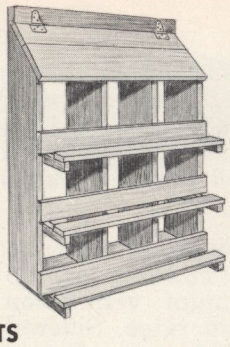
NO. 1461

Size: 24′ x 152′

Designed to protect poultry in hot weather areas, this cage house has vents along the floor line, eave line and ridge line for maximum protection against heat and the entry of fresh air. Side wall flaps close in cold weather, open during hot periods. Ridge vent prevents hot air from being trapped under the roof.

Birds can be efficiently fed by hand, from a cart or a self-feeder installation. A continuous trough supplies a small stream of fresh water. Egg records can be maintained at each cage and checked during pick-up periods. The feed room can be located at end or middle of the house and the cage house can be expanded lengthwise for units of 500, 1000, and 2000 birds.

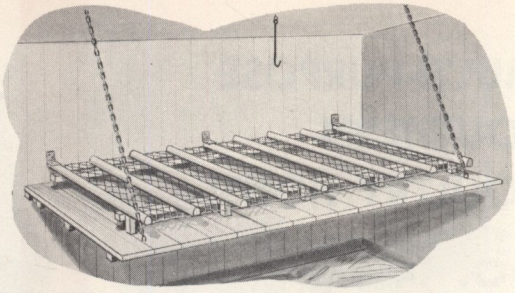
EQUIPMENT ITEMS



S-1401
SELF-CLEANING NESTS

Nine nests serve 45 hens
Length: 3'3"; Height 4'; Depth 12"

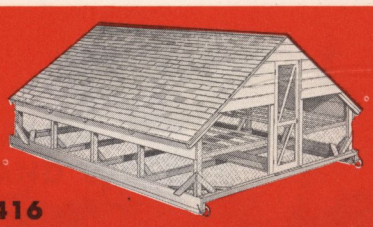
These nests are sturdy, economical and save much labor. Hinged to wall at the top, they are cleaned by raising nests from bottom and allowing nestings to drop to floor. Perches are hinged to close nests at night.



S-1403
SANITARY POULTRY ROOST

Size: 4'6" x 10'

Hinges attached to wall permit tilting the dropping board for quick cleaning, disinfecting or painting. Or the board can be unhooked and taken outdoors for sunning. Roosts run the short way of the dropping board to reduce crowding.



S-1416
PORTABLE POULTRY RANGE SHELTER

Capacity: 300 birds. 12' long, 16' wide.

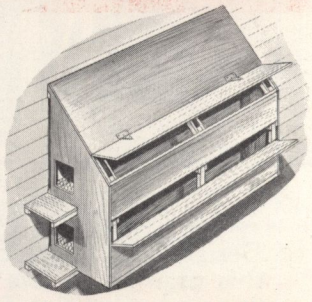
This shelter is designed to protect birds from summer heat, chilling rains and predatory animals. It is light in weight for easy moving, yet strongly braced to resist strains.

S-1418
RANGE SHELTER AND FEEDER

Here's a feeder that is light in weight for easy moving and strongly braced to withstand strains. Removable feeding units can be filled without entering the shelter. Hardware cloth is used for clean sanitary flooring.

S-1419
GREEN FEED HOPPER

This easy-to-build unit reduces waste in the feeding of alfalfa and other greens. Hinged top stays open for convenience in filling. Rotating bar prevents chickens from roosting. Easy to build.

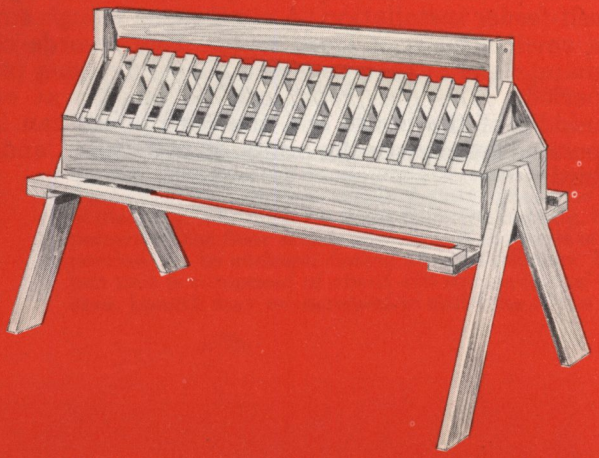


S-1420
DEEP LITTER NEST

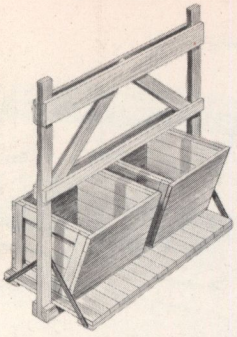
Deep litter in this nest unit helps keep eggs clean and unbroken. Hinged flaps along the front make it easy to gather the eggs. Designed to be constructed from standard lumber items and exterior type plywood, the unit is large enough for 40 hens.

S-1421
MASH FEEDER

This sturdy, easily portable feeder is designed to keep a good supply of feed readily available. The top is slatted to protect the feed, and hinged for easy filling. The feeding box has a 1" x 2" ridge to reduce feed waste and a tipping board prevents roosting.

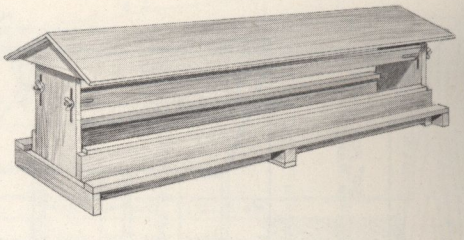


EQUIPMENT ITEMS



S-1422
LITTER CARRIER AND LITTER BOX

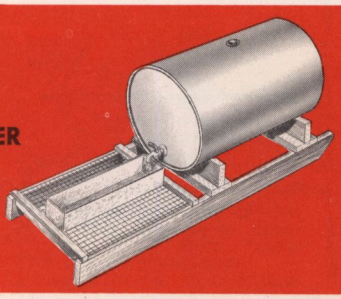
This easily built carrier is on rollers and can be supported by a standard door track attached to poultry house ceiling. Saves work in carrying litter and eggs.



S-1423
ADJUSTABLE RANGE FEEDER

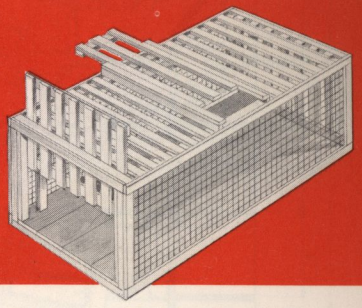
Adjustable spacer on this feeder makes it easy to raise feeding height as chicks grow. Accommodates 50 month-old chicks. Wood strips along edge of feeder reduce feed loss.

S-1424
RANGE WATERER

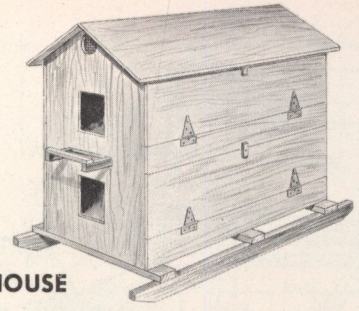


A waterer that is practical and easy to make with a standard 50-gallon drum. Maintains water level in trough to provide chicks with constant water supply. Chicks stand on dry, clean wire mesh platform.

S-1425
CATCHING CRATE

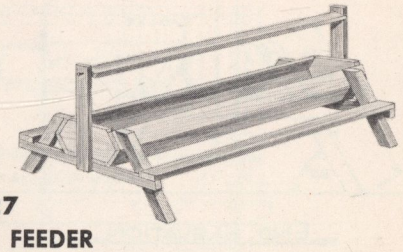


This easily-built crate is useful both for catching chickens and for holding them for market. Sliding doors cover openings at both ends of the crate and on top. It is designed so the top door can be opened to remove chickens without other birds escaping.



S-1426
RANGE NEST HOUSE

This well-ventilated, portable unit provides two community nests. Teaches pullets to use nests and saves those early eggs. Durably built of exterior plywood.

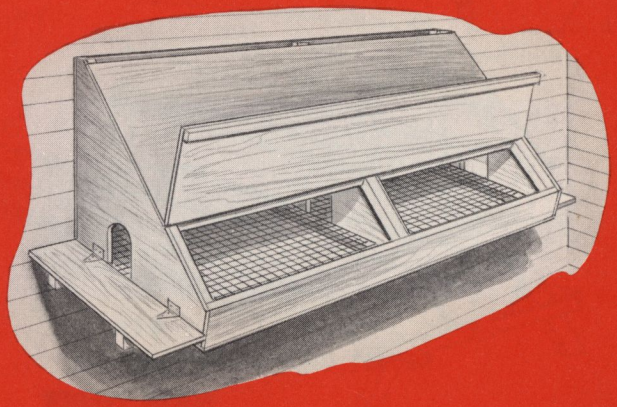


S-1427
MASH FEEDER

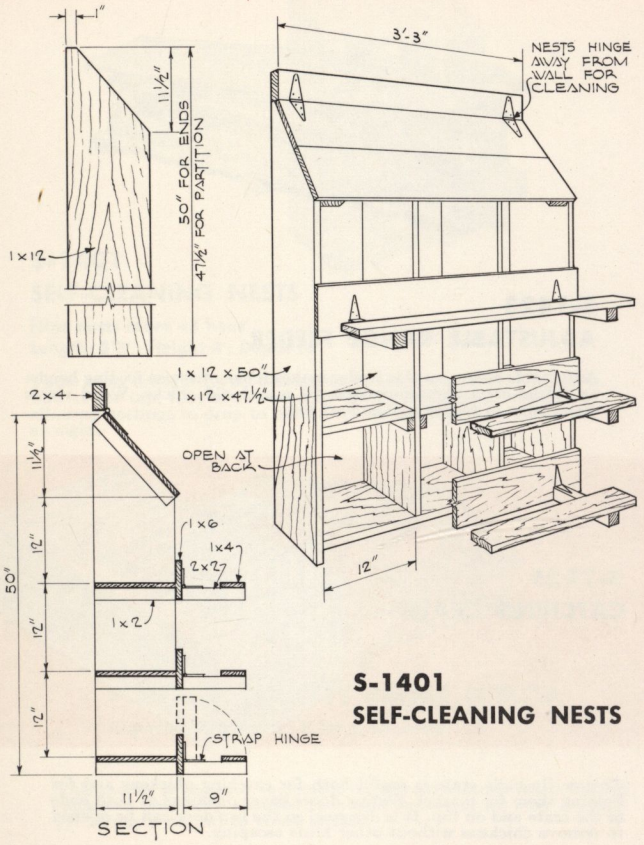
This feeding box is easy to move because of its light weight, and the shape prevents waste. Adequate for 60 chickens. Pivoted board along the top prevents roosting.

S-1428
COMMUNITY NEST

Durably constructed of exterior type plywood, with sloping hardware cloth floor. Eggs roll forward for gathering. Both ends have an entrance and hinged stoop.

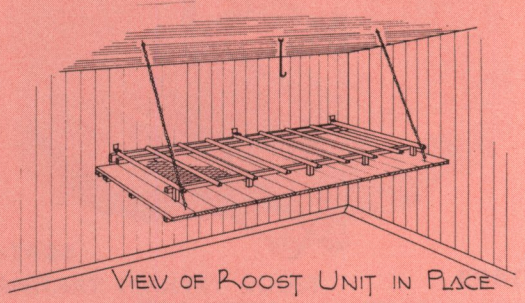


WORKING DRAWINGS

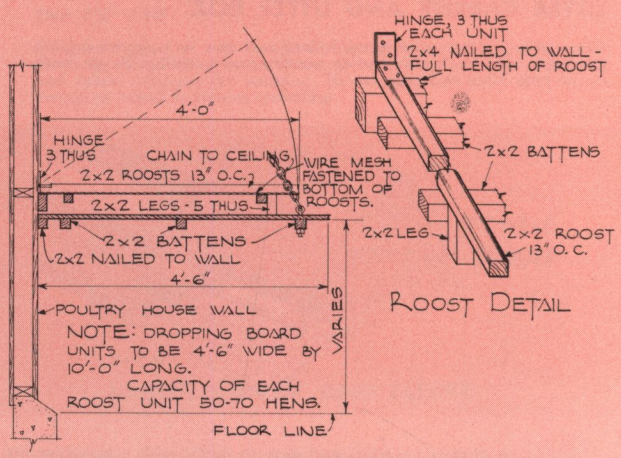


SECTION

S-1401
SELF-CLEANING NESTS



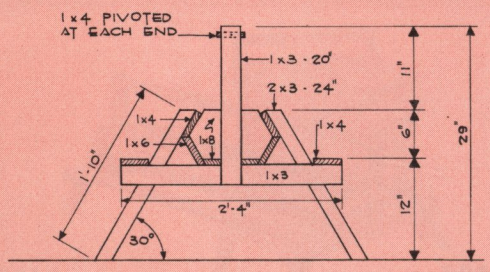
VIEW OF ROOST UNIT IN PLACE



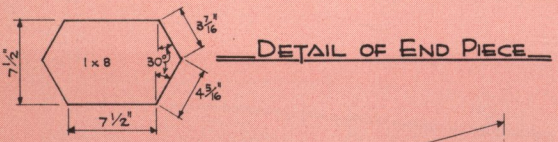
ROOST DETAIL

SECTION

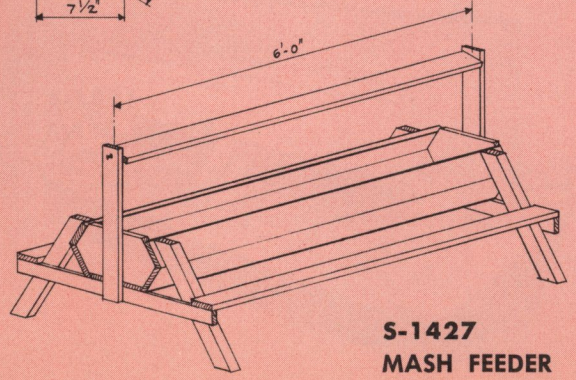
S-1403
SANITARY POULTRY ROOST



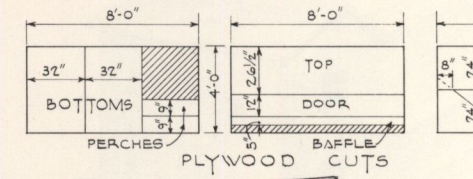
END ELEVATION



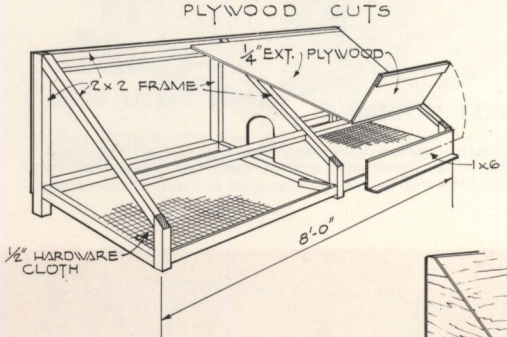
DETAIL OF END PIECE

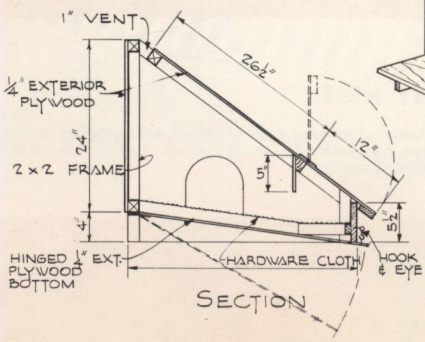


S-1427
MASH FEEDER

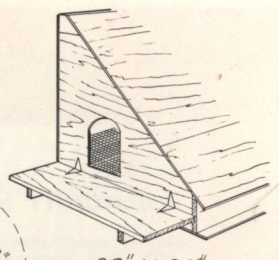


PLYWOOD CUTS





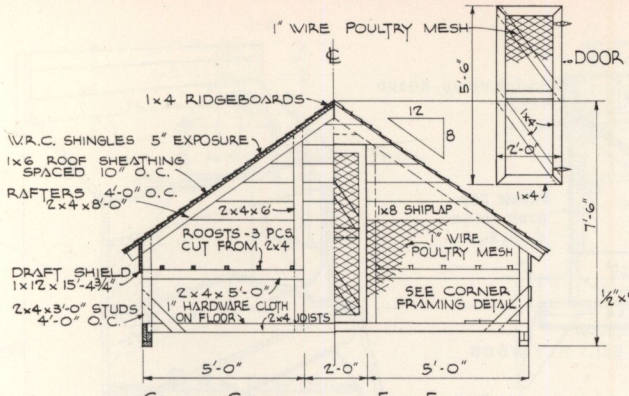
SECTION

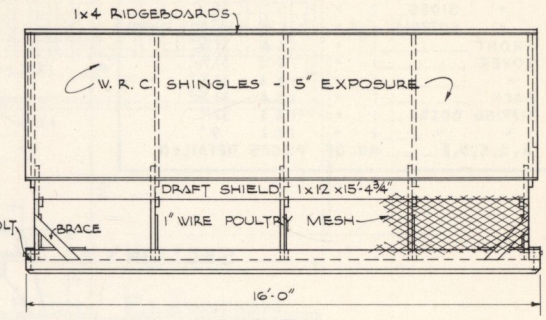


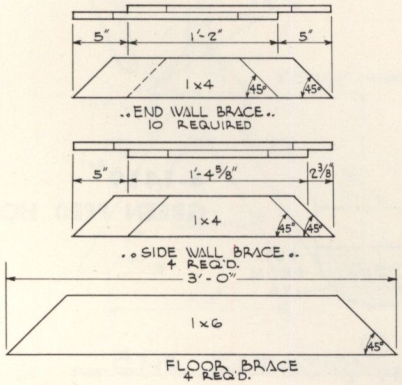
32" X 96"

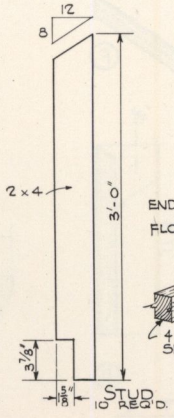
S-1428
COMMUNITY NEST

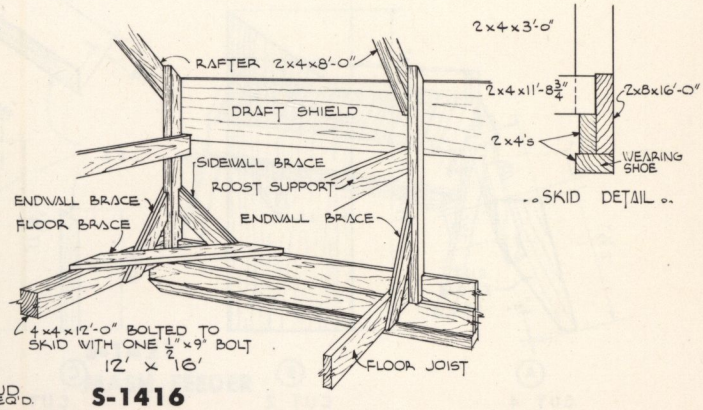
WORKING DRAWINGS



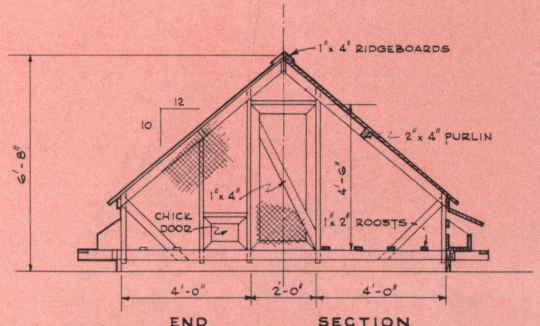


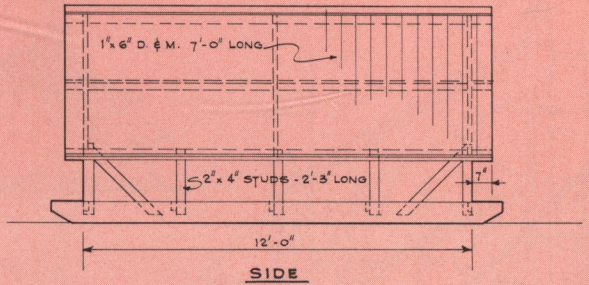




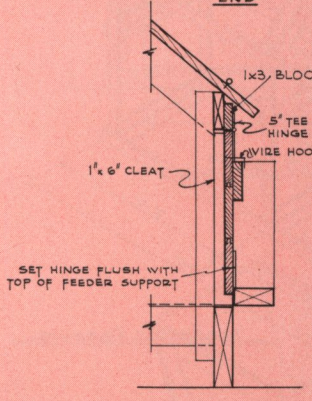


S-1416
PORTABLE POULTRY RANGE SHELTER

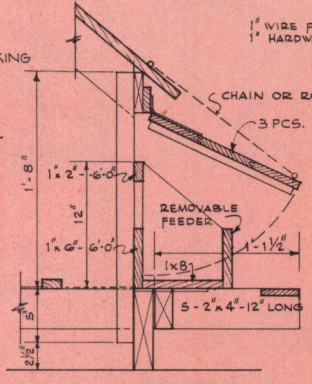




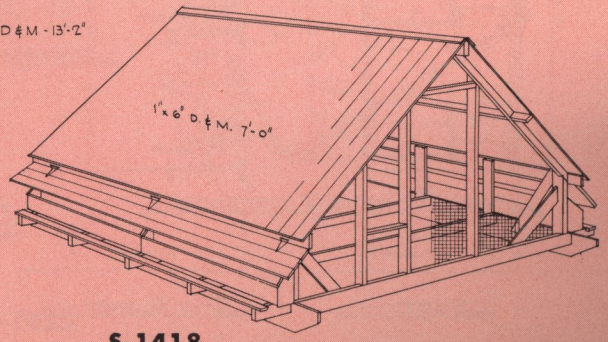
1" WIRE POULTRY MESH ON END WALLS.
1" HARDWARE CLOTH ON FLOOR.



SECTION WITH FEEDER REMOVED AND SIDES IN PLACE FOR MOVING



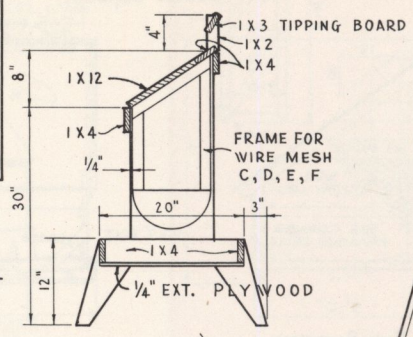
SECTION WITH FEEDER IN PLACE



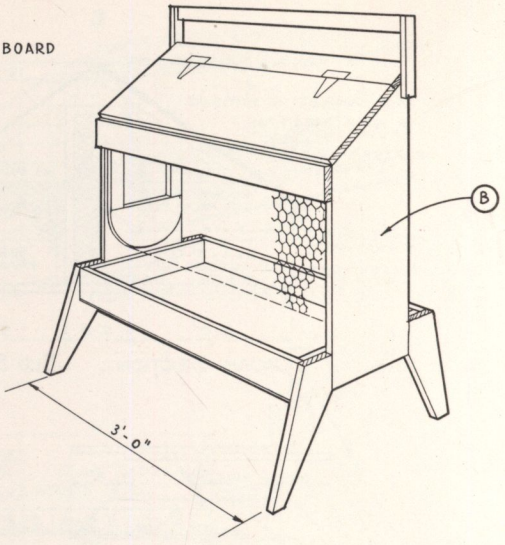
S-1418
RANGE SHELTER AND FEEDER

WORKING DRAWINGS

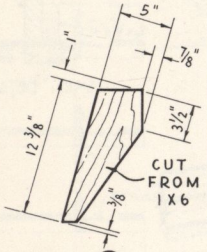
CUTTING LIST			
TROUGH ENDS	2	PCS	1 X 4 - 18½"
" SIDES	2	"	" 36 "
" BOTTOM	1	"	¼ X 20 - 36" EXT. PLYWD
FRONT	1	"	1 X 4 37½"
COVER	1	"	1 X 12 37½"
"	1	"	1 X 4 37½"
BACK	1	"	1 X 4 37½"
TIPPING BOARD	1	"	1 X 3 37"
" "	2	"	1 X 2 9"
A, B, C, D, E	NO. OF		PIECES DETAILED



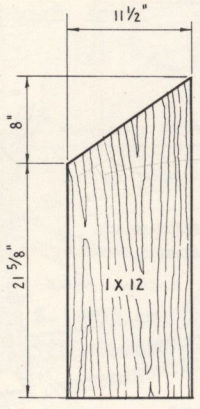
SECTION



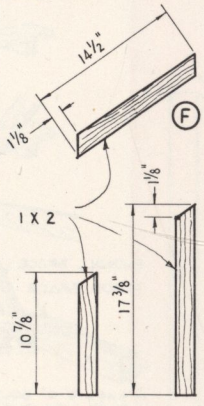
S-1419
GREEN FEED HOPPER



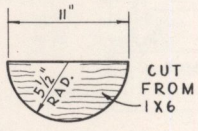
Ⓐ CUT 4



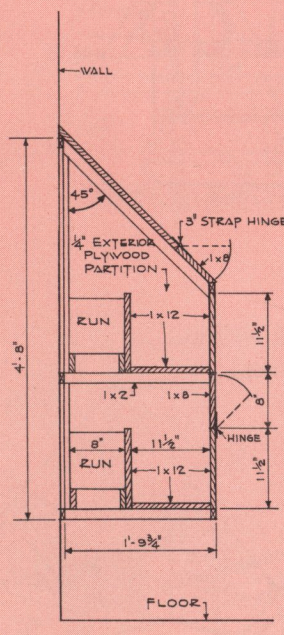
Ⓑ CUT 2



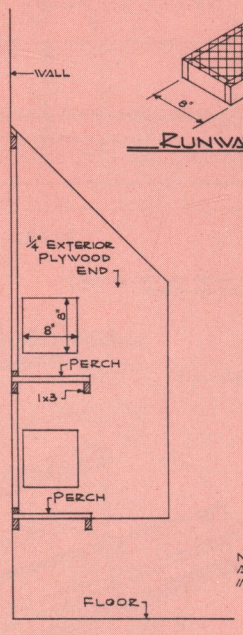
Ⓒ Ⓓ CUT 2



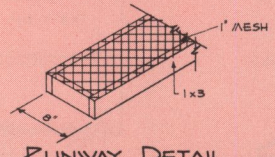
Ⓔ CUT 2



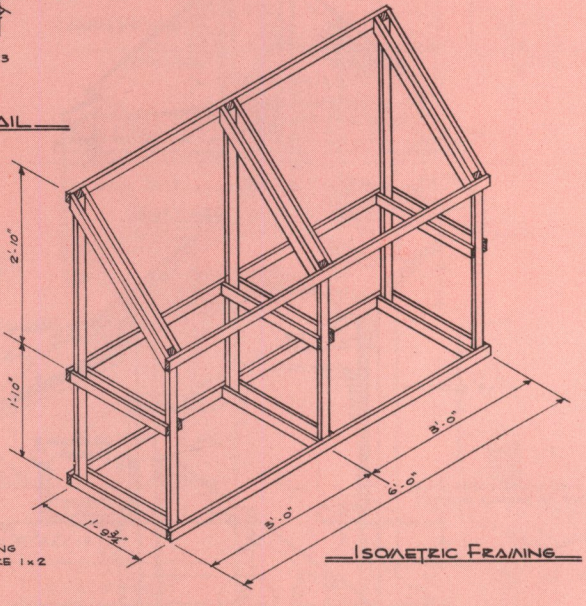
SECTION



END ELEVATION



RUNWAY DETAIL

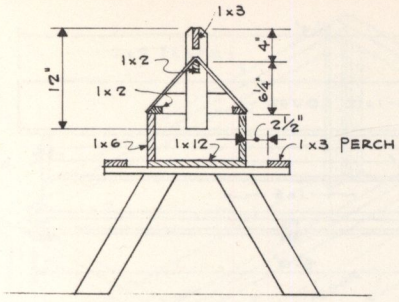


ISOMETRIC FRAMING

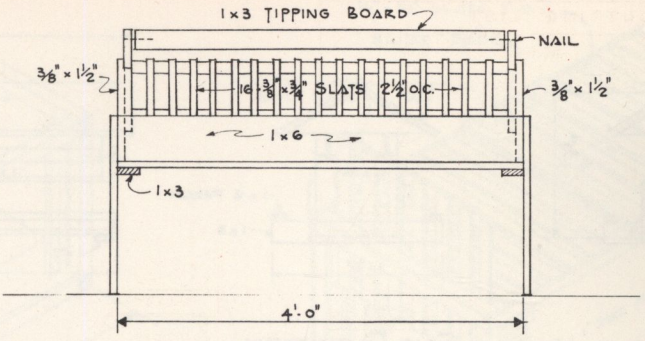
NOTE:
ALL FRAMING MEMBERS ARE 1x2

S-1420
DEEP LITTER NEST

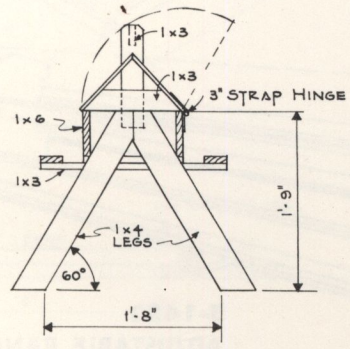
WORKING DRAWINGS



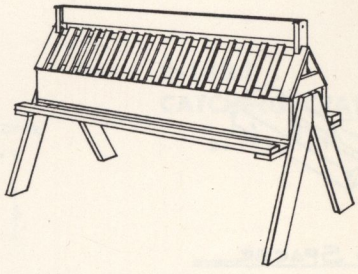
SECTION



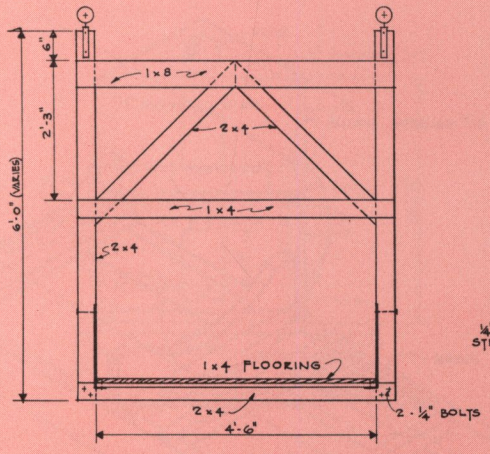
SIDE ELEVATION



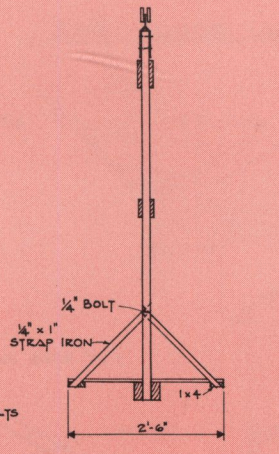
END ELEVATION



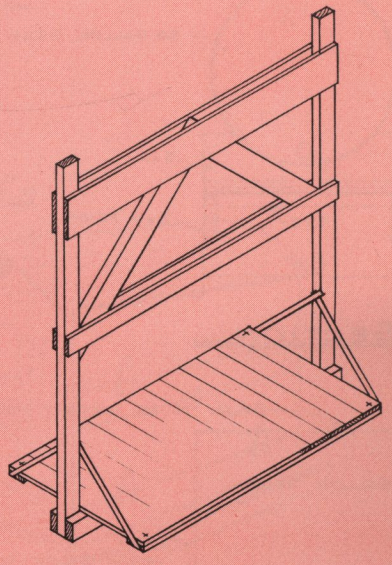
S-1421
MASH FEEDER



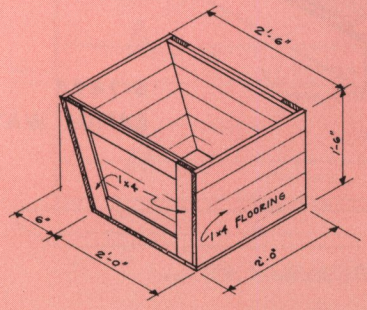
SIDE ELEVATION



END ELEVATION



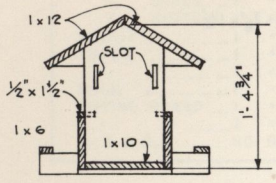
ISOMETRIC VIEW of CARRIER



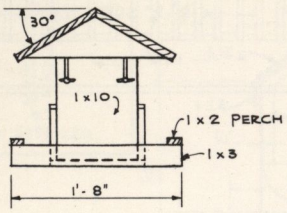
LITTER BOX

S-1422
LITTER CARRIER AND LITTER BOX

WORKING DRAWINGS



SECTION



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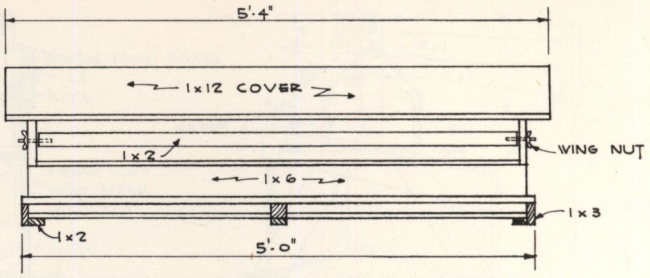
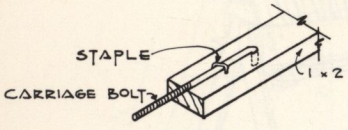
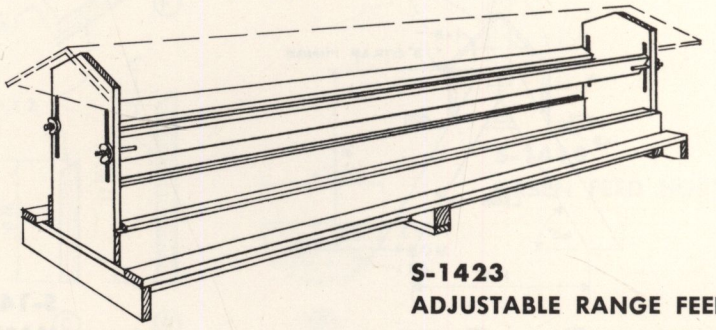


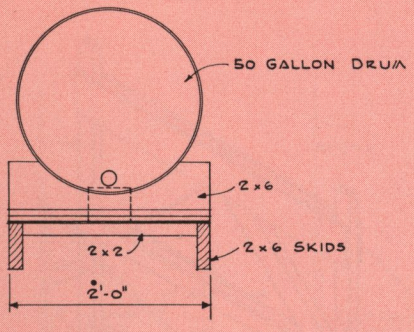
SIDE ELEVATION



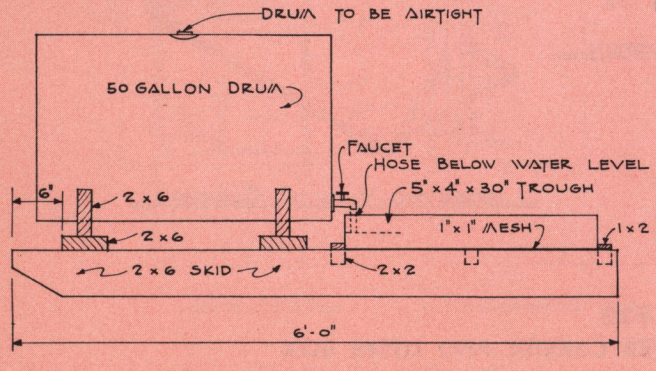
FEED SPACER



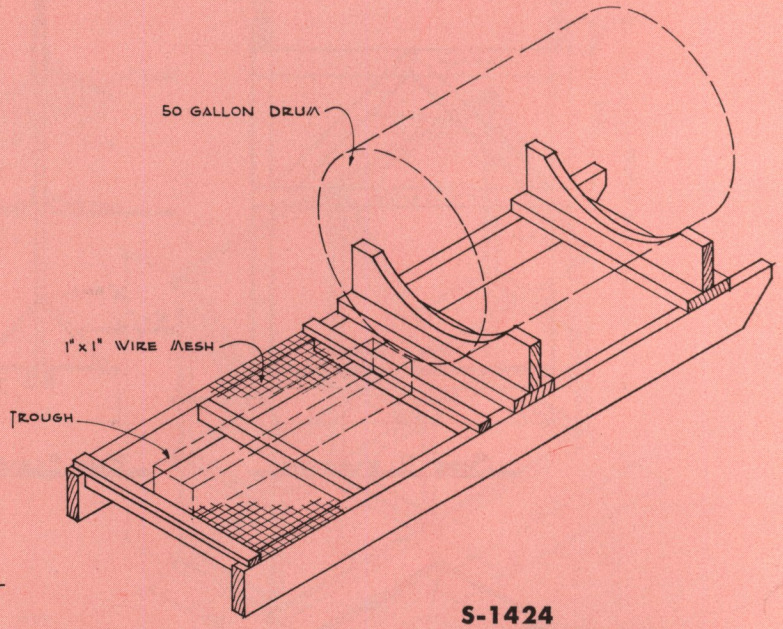
S-1423
ADJUSTABLE RANGE FEEDER



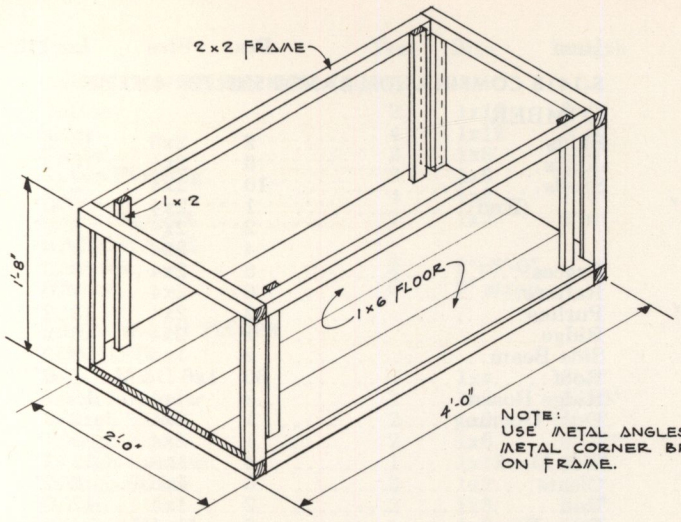
SECTION



SIDE ELEVATION

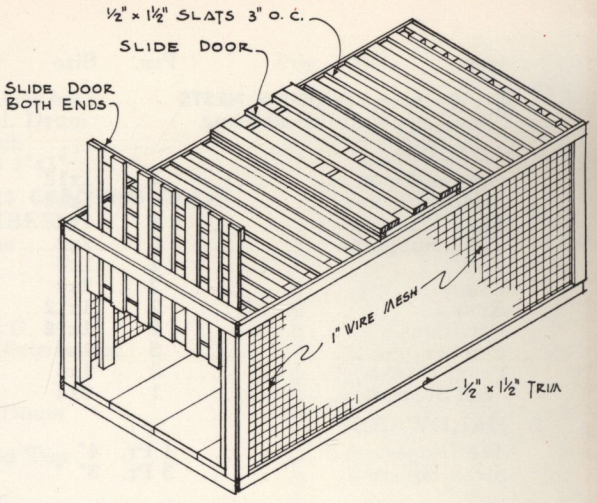


S-1424
RANGE WATERER

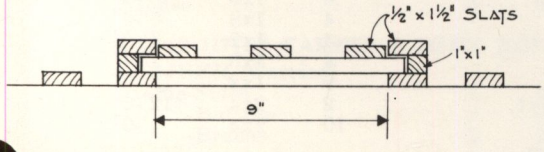


NOTE:
USE METAL ANGLES OR METAL CORNER BRACES ON FRAME.

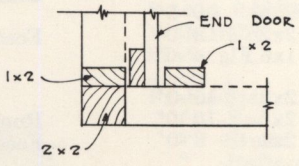
FRAME



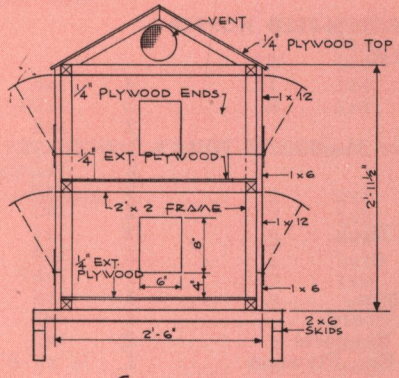
S-1425
CATCHING CRATE



SECTION THROUGH SLIDING TOP

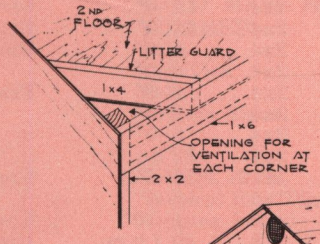


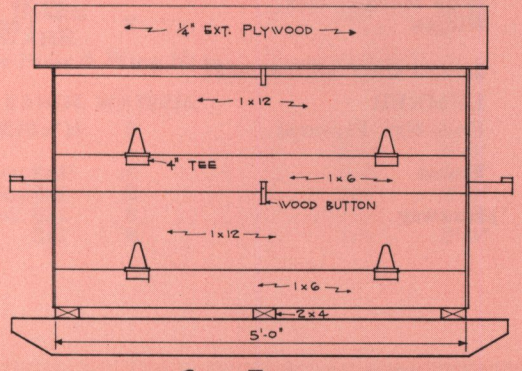
SECTION THROUGH END DOOR



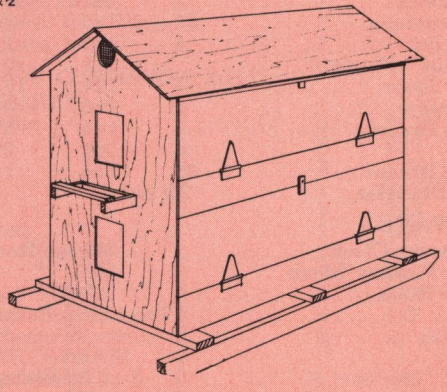
SECTION

FIRST FLOOR VENT





SIDE ELEVATION



S-1426
RANGE NEST HOUSE

MATERIAL LISTS

Item	Pcs.	Size	Length
S-1401 SELF-CLEANING NESTS			
Nine Nest Unit 3 Feet Long			
LUMBER			
Bottom Floor	1	1x12	3′-1½″
Middle Floors	6	1x12	1′-0″
Floor Supports	8	1x2	0′-11½″
Perch Supports	6	2x2	0′-9″
Top	2	1x8	3′-3″
Cleats	2	2x4	1′-3″
Ends	2	1x12	4′-2″
Partitions	2	1x12	3′-11½″
Perches	3	1x4	3′-3″
Front Boards	3	1x6	3′-3″
Wall Support	1	2x4	3′-3″
HARDWARE			
Tee Hinges	1 Pr.	4″	
Strap Hinges	3 Pr.	3″	
S-1403 SANITARY POULTRY ROOST			
For Unit of 9 Roosts 9′-10″x4′-6″			
LUMBER			
Roosts	9	2x2	4′-0″
Roost Legs	5	2x4	0′-5″
Roost Battens	2	2x2	9′-0″
Dropping Board	22	1x6 Flg.	4′-6″
Dropping Board Support at wall	1	2x2	10′-0″
Dropping Board Battens	3	2x2	10′-0″
Roost Support at Wall	1	2x4	9′-0″
HARDWARE			
Eye Bolts & Nuts	4	⅜″x4″	
Steel Chain	2	(Rod Size)	
(Swivel ea. end)	3/16″	To Fit	
Chicken Wire Mesh	36 Sq. Ft.		
Hinges	1½ Pr	3″	
S-1416 RANGE SHELTER FOR POULTRY			
LUMBER			
Skids	4	2x4	16′-0″
	2	2x8	16′-0″
Joists	2	4x4	12′-0″
	3	2x4	12′-0″
Studs	10	2x4	3′-0″
	10	2x4	6′-0″
Door Header	1	2x4	2′-0″
Rafters	10	2x4	8′-0″
Roost Supports	10	2x4	5′-0″
Roosts		2x4	52 lin. ft.
Draft Shield	2	1x12	15′-4¾″
Roof Sheathing	22	1x6	16′-0″
Rake Trim	4	1x2	1′-10″
End Walls—Shiplap		1x8	40 f.b.m.
Ridge & Door	4	1x4	16′-0″
Floor Braces	4	1x6	3′-0″
Sidewall Braces	4	1x4	1′-4⅝″
	4	1x4	2′-0″
Endwall Braces	20	1x4	1′-7″
W.R.C. Shingles	2¾ sqs.		
HARDWARE			
1″ Hardware Cloth		200 sq. ft.	
1″ Galv. Poultry Mesh		150 “	
Carriage Bolts	4	½″x9″	
Nails	5 lbs.	16d Common	
	2 “	8d “	
	1 “	6d “	
	6 “	3d Shingle	
Wire Staples	3 “	1″	
Strap Hinges	2	4″	

Item	Pcs.	Size	Length
S-1418 COMBINATION RANGE SHELTER & FEEDER			
LUMBER			
Skids	2	2x8	14′-0″
Joists	5	2x4	10′-0″
Studs	10	2x4	2′-3″
(End)	1	2x4	6′-0″
	2	2x4	5′-6″
	4	2x4	4′-0″
Braces	8	2x4	3′-0″
Rafters	6	2x4	7′-0″
Purlins	2	2x4	13′-2″
Ridge	1	2x4	13′-2″
Side Beam	2	1x4	13′-2″
Roof	60	1x6 D&M	7′-0″
Ridge Board	2	1x4	13′-2″
Door Opening	1	2x4	2′-0″
	1	2x4	1′-4″
Side Door	4	1x8	13′-2″
Cleats	6	1x6	2′-2″
Rail	2	1x4	12′-0″
Door Frame	2	1x4	4′-6″
	2	1x4	2′-0″
	1	1x4	5′-0″
Chick Door	2	1x4	1′-4″
	2	1x4	1′-0″
Feeder	8	1x6	6′-0″
	4	1x8	6′-0″
	4	1x2	6′-0″
	4	1x8	1′-4″
Roosts	9	1x2	12′-0″
Feeder Support	2	2x4	12′-0″
	10	2x4	1′-0″
HARDWARE			
1″ Hardware Cloth		120 sq. ft.	
1″ Wire Poultry Mesh		96 “	
Nails	7 lb.	8d	
	1 “	10d	
	2 “	16d	
Hinges	6 pr.	5″ Tee Hinge	
	2 “	3″ “	
S-1419 GREEN-FEED HOPPER			
LUMBER			
Legs	4	1x6	1′-3″
Ends	2	1x12	2′-6″
	2	1x4	1′-6½″
Frame for Mesh	1	1x12	1′-0″
	2	1x2	1′-6″
	2	1x2	1′-3″
	2	1x2	1′-0″
Front & Back	2	1x4	3′-0″
	2	1x4	3′-1½″
Top	1	1x12	3′-1½″
Hinge Strip	1	1x4	3′-1½″
Tipping Board	1	1x3	3′-1″
“ Supports	2	1x2	0′-9″
Bottom-Ext. Plywood	1	¼″x1′-8″	3′-0″
HARDWARE			
Wire Mesh 1″ Hex.		36″x5′-0″	
Hinges	2	3″ Tee	
S-1420 DEEP LITTER NEST			
LUMBER			
Ends-Ext. Plywood	3	¼″x1′-9¾″	4′-8″
Frame	5	1x2	8′-0″
	9	1x2	6′-0″
Runway	8	1x3	3′-0″
	8	1x3	0′-6½″

MATERIAL LISTS

Item	Pcs.	Size	Length
S-1420 DEEP LITTER NEST (Cont.)			
Bottom	2	1x12	6′-0″
Sides	4	1x12	6′-0″
Doors	2	1x8	6′-0″
Cover-Flooring	8	1x6	6′-0″
Perch	4	1x3	1′-0″
Perch Support	7	1x2	2′-0″
HARDWARE			
1″ Mesh	2	8″x6′-0″	
Hinges	6	3″ strap	
S-1421 MASH FEEDER			
LUMBER			
Legs	4	1x4	2′-3″
Perch Supports	2	1x3	1′-10″
Trough Sides	2	1x6	4′-0″
Trough Ends	2	1x6	0′-10″
Trough Bottom	1	1x12	4′-0″
Trough Strips	3	1x2	4′-0″
Perch	2	1x3	4′-0″
Tipping Board	1	1x3	3′-8″
" -Supports	2	1x3	1′-0″
Slats	34	⅜″x¾″	0′-9″
	2	⅜″x1½″	0′-9″
HARDWARE			
Hinges	3	3″ strap	
S-1422 LITTER CARRIER & LITTER BOX			
LUMBER (Carrier)			
Frame-Sides	2	2x4	6′-0″
" -Bottom	2	2x4	5′-1¼″
" -Braces	2	2x4	3′-6″
	2	1x8	5′-1¼″
	2	1x4	5′-1¼″
Floor	17	1x4	2′-6″
Floor Battens	2	1x4	4′-6″
HARDWARE (Carrier)			
Braces-Strap Iron	4	¼″x1″	2′-3″
Bolts-Carriage	2	¼″x4½″	
	4	¼″x2″	
LUMBER (Box)			
Frame	4	1x4	2′-0″
	2	1x4	3′-0″
Sides	13	1x4	2′-0″
	11	1x4	2′-6″
Bottom	8	1x4	2′-0″
S-1423 ADJUSTABLE RANGE FEEDER			
LUMBER			
Trough Supports	2	1x3	1′-8″
	3	1x2	1′-8″
Blocks	2	2x2	0′-4″
Bottom	1	1x10	4′-10½″
Sides	2	1x6	4′-10½″
Lattice	2	½″x1½″	4′-10½″
Ends	2	1x10	1′-4″
Cover	2	1x12	5′-4″
Cover Ends	2	1x6	1′-6″
Perches	2	1x2	5′-0″
Tipping Boards	2	1x2	4′-8″
HARDWARE			
Carriage Bolts & Wing Nuts	4	½″x6″	
S-1424 RANGE WATERER			
LUMBER			
Skids	2	2x6	6′-0″
Drum Support	2	2x6	2′-0″
Drum Saddle	2	2x6	2′-0″
Spreaders	3	2x2	1′-8¾″
Cleats	2	1x2	2′-0″

Item	Pcs.	Size	Length
HARDWARE			
50-gal. Drum	1	with faucet	
Trough	5″x4″x30″ metal		
Mesh 1″x1″		24″x36″	
S-1425 CATCHING CRATE			
LUMBER			
Frame	4	2x2	4′-0″
	4	2x2	2′-0″
	4	2x2	1′-8″
	6	1x2	1′-8″
Floor C. M.	5	1x6	4′-0″
Top Slats-lattice	17	½″x1½″	2′-0″
Trim "	4	½″x1½″	4′-0″
	8	½″x1½″	1′-8″
End Doors "	14	½″x1½″	1′-6″
	4	½″x1½″	1′-9″
Sliding Top "	3	½″x1½″	2′-0″
	3	½″x1½″	0′-10″
Guide	2	1x1	2′-0″
"	4	½″x1½″	2′-0″
HARDWARE			
1″ Wire Mesh	2	1′-8″x4′-0″	
Metal Braces	16		
S-1426 RANGE NEST HOUSE			
LUMBER			
Skids	2	2x6	6′-0″
Joists	3	2x4	3′-0″
Frame-Side	6	2x2	5′-0″
" -End	9	2x2	2′-1¼″
" -Studs	12	2x2	1′-3″
" -Rafters	6	2x2	1′-6″
Roof-Ext. Plywood	2	¼″x1′-6″	5′-6″
End Wall "	2	¼″x2′-6″	3′-8″
Floor "	2	¼″x2′-6″	5′-0″
Doors	4	1x12	5′-0″
Hinge Strips	4	1x6	5′-0″
Perch	1	1x2	6′-0″
Litter Guard	4	1x4	1′-0″
Wood Buttons	2		
HARDWARE			
Hinges 4″ Tee	8		
Vent ¼″ Hardware Cloth	2	6″ square	
S-1427 MASH FEEDER FOR POULTRY			
LUMBER			
Legs	4	2x3	1′-10″
Leg Ties	2	1x3	2′-4″
Perch	2	1x4	6′-0″
Trough Sides	1	1x8	6′-0″
	2	1x6	6′-0″
	2	1x4	6′-0″
Trough Ends	2	1x8	1′-0″
Vertical End Piece	2	1x3	1′-8″
Tipping Board	1	1x4	5′-10″
S-1428 COMMUNITY NEST			
LUMBER			
Frame	3	2x2	2′-4″
	8	2x2	3′-9¼″
	3	2x2	7¼″
	3	2x2	3′-0″
	3	2x2	2′-4½″
Front	1	1x6	8′-0″
Floor Nailers	2	1x2	3′-9¼″
	4	1x2	8″
Door Trim	1	1x2	8′-0″
Perch Supports	4	1x2	9″
Exterior Plywood	3	¼″x4′-0″x8′-0″	
HARDWARE			
Hardware Cloth	½″x36″x96″		
Hinges	7 pr.	4″ Tee	
	4 pr.	3″ Tee	

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